User Guide
Vodafone Mobile Wi-Fi
R212

Designed
by Vodafone

vodafone

Welcome
to the world of mobile communications

Welcome

The Vodafone Mobile Wi-Fi R212 creates a personal portable Wi-Fi zone which allows several Wi-Fi enabled devices (for example PCs, Laptops, Android devices including the Samsung® Galaxy Tab, Apple® iPhone and iPad or mobile gaming devices such as Nintendo® DSi) to share a secure mobile internet connection.

The device is battery, mains or USB powered, and this flexibility allows the device to be positioned for best mobile coverage and then share this coverage between several devices via Wi-Fi.
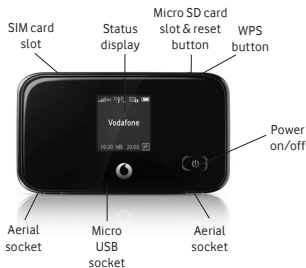
Advanced configuration using a cable or Wi-Fi

To perform advanced configuration of the device browse to the web UI http://VodafoneMobile.wifi or http://192.168.0.1 from a computer running Microsoft® Windows® 8, Windows® 8 RT (Wi-Fi access only), Windows® 7 (SP1 recommended), Windows Vista™ (SP2 recommended), or Windows® XP (SP3 recommended), a computer running Linux (Wi-Fi configuration only, not cable), or an Apple Mac running Mac OS® X 10.5 (Intel®), 10.6, 10.7 or 10.8 (all with latest updates).

Advanced configuration for smartphone / tablet users

System requirements

To use the Vodafone Mobile Wi-Fi R212 you need a device with Wi-Fi capability.

Tip:

For advanced configuration, the web UI password is 'admin'.

Apple device users should use the Safari browser to browse to the web UI http://VodafoneMobile.wifi or http://192.168.0.1 , or download the Vodafone Mobile Wi-Fi Monitor app. Smartphone and tablet users can check the device status by downloading the Vodafone Mobile Wi-Fi Monitor app from the App Store in iTunes or the Android Market / Google Play. See Page 16 for sample app screenshots.
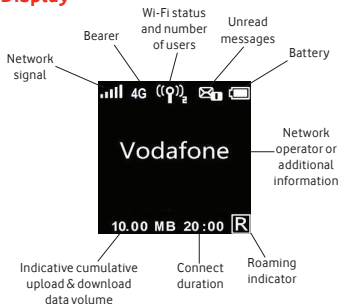
Device overview

SIM card slot   Status display   Micro SD card slot & reset button   WPS button

Power on/off

Aerial socket   Micro USB socket   Aerial socket

Status Display

Wi-Fi status and number of users

Bearer   Unread messages

Network signal   Battery

Vodafone

Network operator or additional information

10.00 MB 20:00 R

Indicative cumulative upload & download data volume   Connect duration   Roaming indicator

End User Licence Agreement (EULA)

Please ensure that you have read and accepted the software EULA for your country before using the Vodafone Mobile Wi-Fi application or device. The EULA is available here: www.support.vodafone.com/VodafoneMobileWiFi/R212
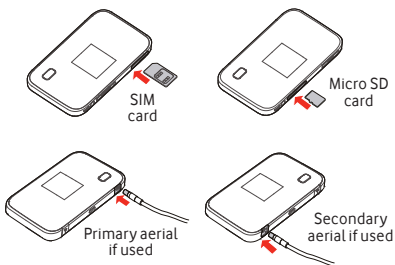
Getting started: Step 1 of 2

Note: Once setup is complete, when connected to the R212 via USB (and you have installed the software onto your PC) you can access the configuration screen by clicking on the Mobile Wi-Fi desktop icon .

Alternatively, if you are connected over Wi-Fi, you can enter the following addresses into your browser:

http://VodafoneMobile. wifi or http://192.168.0.1

You may want to save these addresses as favourites in your browser so you can access the Mobile Wi-Fi web UI application screen easily.

1. To prepare the Vodafone Mobile Wi-Fi R212, you need to insert your SIM (and MicroSDHC card if you are using one for file storage and sharing) before use. Using aerials may improve mobile network signal reception.

SIM card

Micro SD card

Primary aerial if used

Secondary aerial if used

2. The device has a built-in battery, and is now ready to use - plug it into the mains or your PC. The battery will be charged in the background. Make sure the device is fully charged (approximately 3 hours on mains) before using it in battery mode. Please only use the supplied charger with this device.

3. Switch on the device by pressing and holding the power button for 3 seconds. The device will go through its start-up sequence, and will automatically connect to the network unless a PIN code is required. Check the display for connection status.

4. The Wi-Fi network name (SSID) and secure Wi-Fi network key are engraved on the back of the device (see diagram below for location). Use the normal Wi-Fi application on your computer or device to connect. Select the Mobile Wi-Fi network from the list of available Wi-Fi networks, click Connect and enter the WPA2 password (secure Wi-Fi network key). If your connecting device has WPS functionality, you can press and hold the WPS button on the R212 for 5 seconds, then any WPS-enabled device can connect without requiring the network key.

Congratulations – you now have internet access via Vodafone Mobile Wi-Fi.

Network name and key   WPS button

Location of WPS button

5. When you are connected to the Vodafone Mobile Wi-Fi R212 via Wi-Fi or a USB cable, you can access the Vodafone Mobile Wi-Fi configuration screen by clicking on the Mobile Wi-Fi desktop icon 🌐 (if you have installed via USB), or by typing either http://VodafoneMobile.wifi or http://192.168.0.1 into your web browser. You can change settings and check the device and network status from this browser page.
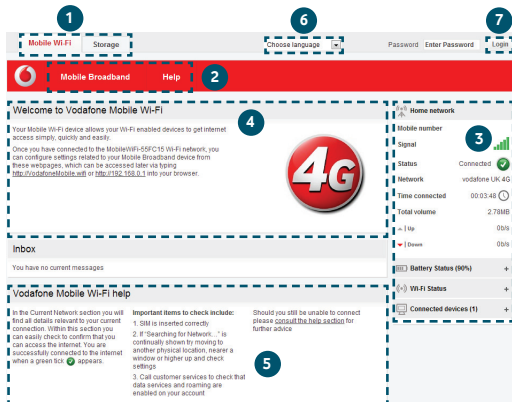
Mobile Wi-Fi web UI application screen

1 Navigation tabs: Select Mobile Wi-Fi, Storage, SMS or Account view

2 Navigation bar: Select an area within each view

3 Current network panel: Status of mobile broadband network connection, battery and Wi-Fi status and connected devices

4 Content area: Content for current area

5 Context help: Context-sensitive help for current area

6 Language selection: Defaults to browser language

7 Login/Logout: For advanced configuration options. Default password is 'admin'

Note: Every window in the Mobile Wi-Fi web UI application has this same standard layout.

Context-sensitive help for each window is always available at the bottom of the window.

Sometimes an additional Menu bar will appear on the left of the window.

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Current network panel

The Current network panel appears on the right-hand side of every screen within the Vodafone Mobile Wi-Fi web UI application, with additional panels for battery, Wi-Fi and connected device status below. 'Roaming network' is shown at the top of the panel when you are roaming on another operator's network, or 'Home network'.

Mobile number – Shown if permitted by your network operator
Signal – More bars indicates better mobile broadband network signal. For best performance position the device so 3 or more bars are displayed with 4G coverage in the Network field
Status – Tick when connected to network; Cross when not connected
Network – Name and bearer of currently connected network
Time connected – For current connection to network
Total volume – Approximate cumulative data usage
Up / Down – Approximate connection speed: 'Up' to the network from your computer, and 'Down' from the network.

Note: In addition to the Current network panel, there are drop-down panels for Battery status (percentage charge / battery time remaining), Wi-Fi status and Connected devices (devices currently connected to the Vodafone Mobile Wi-Fi R212).

Home network	
Mobile number	
Signal	
Status	Connected ✓
Network	vodafone UK 4G
Time connected	00:11:05
Total volume	3.06MB
▲ Up	0b/s
▼ Down	0b/s
Battery Status (90%)	+
Wi-Fi Status	+
Connected devices (1)	+

Roaming network	
Mobile number	
Signal	
Status	Connected ✓
Network	vodafone UK 4G
Time connected	00:11:05
Total volume	3.06MB
▲ Up	0b/s
▼ Down	0b/s
Battery Status (90%)	+
Wi-Fi Status	+
Connected devices (1)	+

Mobile Wi-Fi view

The Mobile Wi-Fi view has four options on the Navigation bar covering device configuration: Mobile Broadband, Wi-Fi, Router, and Help.

For an explanation on using these features either read the context-sensitive help on the relevant page, or consult the Advanced Configuration Guide, available here: www.support.vodafone.com/VodafoneMobileWiFi/R212

IMPORTANT

We recommend that you ensure that the Wi-Fi security settings meet your personal requirements.

To change the admin password, enter 'admin' into the Password box and click Login. Select Router on the Navigation bar, then Router Settings from the left hand Menu bar.

To modify the SSID and secure network key, select Wi-Fi on the Navigation bar, then Security from the left hand Menu bar.

Storage view

Storage allows you to use the Mobile Wi-Fi R212 to upload and download files to the device, using it as a centralised storage hub for sharing files with other users or devices using the device.

The Storage view has three options on the Navigation bar covering storage settings: File Storage, Sharing, and Help.

For an explanation on using these features either read the context-sensitive help on the relevant page, or consult the Advanced Configuration Guide, available here: www.support.vodafone.com/VodafoneMobileWiFi/R212

SMS view

The SMS view has six options on the Navigation bar covering all messaging functions: Inbox, Write, Sent, Draft, Settings and Help.

By default the Vodafone Mobile Wi-Fi device will re-direct your browsing session to the Mobile Wi-Fi web UI application screen when new SMS messages are received. This setting can be changed via the message preview option within the SMS Settings area.

Account view

The Account view has three options on the Navigation bar: Account details, Account type and Help.

Your account type should be determined automatically by the Vodafone Mobile Wi-Fi device to match the inserted SIM card.

Depending on the network operator, prepaid users may have the option to top-up their account and check their prepaid balance via this view.

Note: The options that are displayed on the Navigation bar are dependent on the account type selected.

Device status screen icons

The device status screen is constantly updated with the current status of the device and network connection. If the screen is not displayed while the Vodafone Mobile Wi-Fi R212 is powered on (the display is switched off after 10 seconds to save power), briefly touch the power on/off button and the screen will be displayed.

Sample icons and their meanings:

Note: A double tap of the power key will show the current Wi-Fi network name and Wi-Fi network key on the device display.

The device contains a reset button inside the battery compartment. The reset button will set the device back to the initial factory default settings.

This includes the reset of the security settings back to their original settings, which is useful should the secure Wi-Fi network key be forgotten.

Network signal:

 connecting to network

 excellent signal (not connected)

 excellent signal (connected)

 unable to connect

Wi-Fi status and number of users:

 3 users connected

Unread messages:

 2 unread SMS

Battery:

 fully charged

 discharged

Hints and tips

The application won't install on Windows

If the software does not install, or the install progress bar keeps looping

– From the Windows Start menu, select Settings>Control Panel>System>Hardware>Device Manager
– Expand 'Universal Serial Bus Controllers'
– Right-click 'USB Mass Storage Device' and select 'Uninstall'
– If your devices are not reloaded, select 'Scan for Hardware changes' from the 'Action' menu.

The Linux licence information can be found here: www.support. vodafone.com/ VodafoneMobileWiFi/ R212

Cannot open Mobile Wi-Fi web UI application window

The following things may prevent you from opening the Vodafone Mobile Wi-Fi web UI application window by double-clicking the desktop icon 🌐 (if you have installed via a USB connection) or entering the address http://VodafoneMobile.wifi or http://192.168.0.1 into your web browser:

– Your computer already has a connection via an ethernet LAN cable
– Your computer already has a connection via a different Wi-Fi network. You must be connected to the R212 via Wi-Fi or via USB cable to access the application window
– You may be using a VPN (Virtual Private Network).

Unplugging the LAN cable, exiting your VPN, and checking that you are connected to the Vodafone Mobile Wi-Fi SSID / network may solve the problem.

Note: Please only use the correct charger for your region – the charger supplied in the box with the Wi-Fi device. For details about a specific charger, contact your network operator.

Hints and tips

No network can be found

– Change your physical location: in a building, move closer to a window, move higher up, or go outside
– Ensure the device is registered to the mobile broadband network by checking the R212 device display or by opening the Mobile Wi-Fi web UI application window and checking the device is connected (indicated via the green tick)
– Select the Settings heading on the Navigation bar
– If the device is searching for a network then ensuring the device is set to 3G Preferred in the network settings section may help
– If you are roaming then click 'Search' to search for available networks
– See if you can connect to one of the networks listed
– Click 'Save' to save your change
– Contact Support, and check that data services and roaming are enabled on your account.

No connection can be opened (1)

– Type http://VodafoneMobile.wifi or http://192.168.0.1 into your browser, and check the device status (Mobile Wi-Fi>Mobile Broadband tab, Help on Settings bar, and select Diagnostics from the menu)
– This may indicate the source of the problem. You should see a green tick in the networks panel to indicate that the device is connected to the mobile broadband network.

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No connection can be opened (2)

– Wait a few minutes and try to connect again. This is most often a temporary problem. If the problem persists, please try the steps below

– Close the application window and then re-open it

– Re-start your Vodafone Mobile Wi-Fi device and connecting devices

– Open the Mobile Wi-Fi web UI application window

– Select the Account tab

– Select the Account type heading in the Navigation bar

– Check that the type of account you have with your mobile network operator is selected in the drop-down menu

– Check the device is set to automatically connect to the network. In roaming, the device is setup to not automatically connect to the network. The device should prompt you to connect to the network via the application window.

– Select the Settings heading on the Navigation bar

– Select the Network entry in the Menu bar on the left

– Check which option is selected. If the option is set to a 'Preferred' option, set it to an 'Only' option

– Click 'Save' to save your change

– If you are using a VPN (Virtual Private Network), contact the administrator of your VPN.
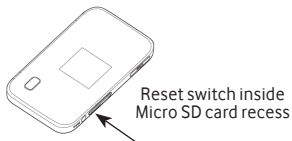
Cannot connect using the WPS button

– Make sure WPS is enabled by holding down the WPS button for
  5 seconds on your R212 and then connecting within 2 minutes
– If required make sure you activate the WPS feature on your
  connecting device
– WPS will not work with Wired Equivalent Privacy (WEP). If you
  have even just one device on the R212 network that only
  supports WEP, you can't use WPS. The default (WPA2) allows
  interworking with WPS.
– Refer to the user guide of the device you are connecting to the
  R212 to make sure it supports WPS.
– Make sure you haven't switched off WPS via the web UI.

Resetting the device back to factory values

– Locate the reset button
– While the device is switched on, insert the end of a paper clip
  into the reset button hole, press the button with the clip and
  hold down until the Vodafone logo appears on the device
  screen (approximately 5 seconds), and release the button
– The device will now be reset to factory settings, including
  SSID, passwords and Wi-Fi security settings.

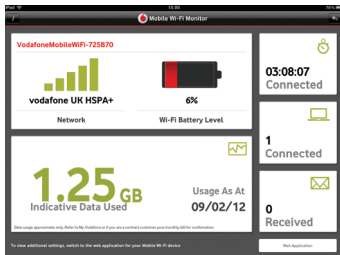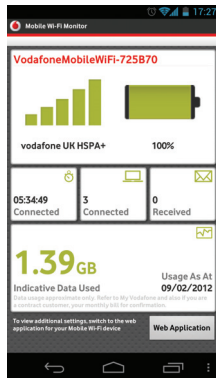Reset switch inside
Micro SD card recess

Hints and tips

Using the Vodafone Mobile Wi-Fi Monitor app on iPhone, iPad, iPod Touch, smartphone, tablet

– Download the Vodafone Mobile Wi-Fi Monitor app from the App Store in iTunes or the Android Market / Google Play

– Click on the app icon

– Sample monitor screens show below.

Tablet / iPad

iPhone / smartphone

Glossary

Bearer	Communication method used for data transport over the mobile network, eg. 3G Broadband, HSPA, 3G, etc.
EDGE	An enhancement to the GPRS bearer offering higher speeds, although not as fast as 3G Broadband.
GPRS	The General Packet Radio Service is a bearer offering higher data speeds than GSM, on which it is based.
Home network	The network of the mobile operator who provided your SIM.
HSPA	High-Speed Packet Access bearer, enhancing 3G, including both HSUPA (Uplink) and HSDPA (Downlink).
HSPA+	Enhanced HSPA network offering faster speeds.
HSUPA	High-Speed Uplink Packet Access bearer.
3G	The third-generation mobile phone service, as UMTS (Universal Mobile Telecommunications System) is also known, is a bearer providing higher data speeds.
3G broadband	The latest enhancement to the 3G bearer.
4G/LTE	The fourth-generation mobile phone service providing faster data speeds (where available).
Roaming	You can use your mobile device on any other mobile network that has a roaming agreement with your operator, whether in your country or abroad.
SIM	Your Subscriber Identity Module is the postage-stamp-sized chip that you will have received together with your mobile contract. Your SIM has gold contacts on one side.
WPA2	An alternative name for the Wi-Fi network key. For Mac users the term 'WPA2 personal' is used.

The term Mobile Broadband together with the
'birds' design is a trademark of GSMC Limited.

™

Mobile
Broadband

$C \in 0700$ ⊘

Product Code:
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